TYCON Power Systems

Passive POE

DATA SHEET

Passive POE Inserters / Splitters

Features

- **Shielded CAT5e cable and connectors for added protection against surges and interference**
- **Cat5 rated RJ45 jack for more reliable high speed data connections (10/100MB)**
- **Shrouded DC jack for improved safety**

POE-INJ-LED-S

Applications

- **Wireless Access Points and Client Devices**
- **IP Phone and Security Camera Systems**

Description

The ***POE-INJ-S*** and ***POE-YINJ-S*** are low cost Power Over Ethernet (POE) Inserters to insert POE power to a CAT5 Ethernet data cable on the unused Ethernet pins 4,5(+) and 7,8(-).

The unique ***POE-INJ-LED-S*** has power on and current indicator LED's. The Power LED shows that DC power (12V to 24V) is being supplied to the inserter through the DC jack. The Current LED shows that a POE device is plugged in at the end of the CAT5 Ethernet cable up to 100m (330ft) away from the inserter.

The ***POE-SPLT-S*** accepts POE power on the RJ45 jack and splits the DC Power to a DC connector and data to the RJ45 Plug. Useful for devices that are powered via a DC power jack.

The ***POE-YSPLT-S*** accepts POE power on the RJ45 Jack and provides power on the DC connect and provides power and data on the RJ45 Plug. Useful for powering multiple devices from a single POE source.

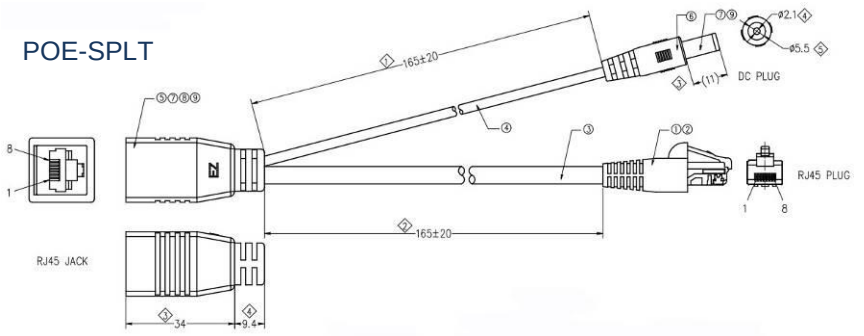
The unique ***POE-XOVER-S*** converts the output from a standard polarity POE source to a reverse voltage output. Pins 4,5(-) and 7,8(+). Useful for devices that require a reverse POE voltage such as Canopy. Works with standard POE Switches, POE inserters (including POE-INJ-S and POE-INJ-LED-S) and POE midspan devices.

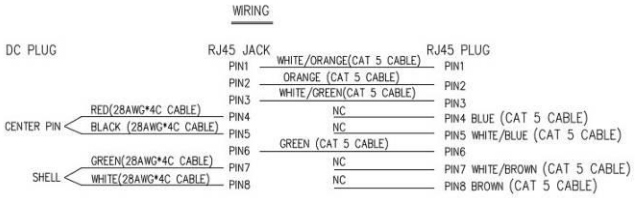
Specifications

Materials	UL Rated Materials, Meets RoHS Requirements
Voltage Rating	60VDC Maximum
RJ45 Jack	Shielded CAT5 Rated, Gold Plated Contacts
RJ45 Power Pins	4,5(+) 7,8(-)
DC Jack or Plug	5.5 x 2.1mm, Shrouded
DC Wire Size	28AWG x 4
CAT5 Wire Size	24AWG x 8, Shielded
Cable Length	165mm (6.5")
Total Length	254mm (10")
Weight	31 g (1.1 oz)
Operating Temp	-40°C to 80°C (-40°F to 176°F)

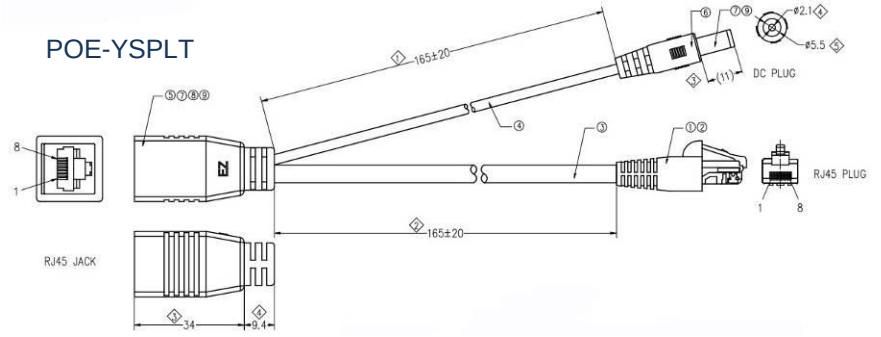
Passive POE

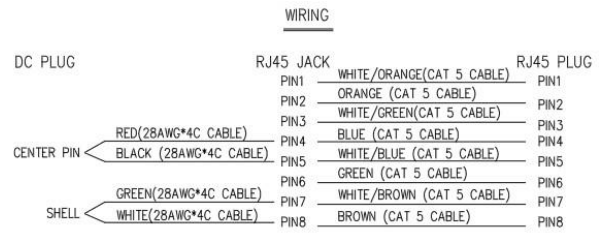
POE-SPLT



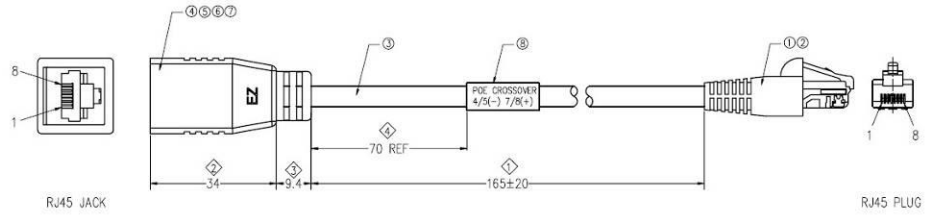


POE-YSPLT





POE-XOVER



Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems Passive POE carry a 2 year warranty

System Ordering:

POE-INJ-LED-S	Passive 12V-24V POE Injector with Power On and Current Indicator LEDS
POE-INJ-S	Passive POE Injector, puts power on RJ45 Female pins 4,5,7,8
POE-YINJ-S	Passive POE Injector, puts power on both RJ45 Female and Male on pins 4,5,7,8.
POE-SPLT-S	Passive Splitter – 5.5/2.1mm DC Plug
POE-YSPLT-S	Passive Y* Splitter – 5.5/2.1mm DC Plug (*Power is supplied on both RJ45 and DC Plug)
POE-XOVER-S	POE Voltage Crossover - converters standard POE voltage to reverse voltage output.

For further information contact:

Tyconpower.com

TYCON Power Systems

14641 S 800 W Suite A
Bluffdale, UT 84065
PH: 801-432-0003
FAX: 801-618-4220